

AMENDMENTS TO THE CLAIMS

Claims 1-29 were pending at the time of the Office Action.

Claims 5, 7-10, 13-18, and 21- 25 are hereby amended.

Claims 30 – 42 are added.

Claims 1-38 remain pending.

1. (Currently Amended) A method comprising:

transmitting with a second mote at least a part of an aggregate of one or more mote-addressed content indexes of a first set of motes, wherein ~~in~~ the first set of motes excludes the second mote.

2. (Original) The method of claim 1, wherein said transmitting at least a part of an aggregate of one or more mote-addressed content indexes of a first set of motes further comprises:

transmitting at least a part of at least one of a mote-addressed sensing index or a mote-addressed control index.

3. (Original) The method of claim 1, wherein said transmitting at least a part of an aggregate of one or more mote-addressed content indexes of a first set of motes further comprises:

transmitting at least a part of a mote-addressed routing/spatial index.

4. (Previously Presented) The method of claim 1, wherein said transmitting at least a part of an aggregate of one or more mote-addressed content indexes of a first set of motes further comprises:

transmitting part of the aggregate of one or more mote-addressed content indexes of the first set of motes to reporting entity.

5. (Currently Amended) The method of claim 1, wherein said transmitting at least a part of an aggregate of one or more mote-addressed content indexes of a first set of motes further comprises:

obtaining access to the one or more mote-addressed content indexes of the first set of motes, wherein the mote-addressed content indexes of the first set of motes comprises ~~memory~~ addresses of content stored in a memory in the first set of motes.

6. (Previously Presented) The method of claim 1, wherein said transmitting at least a part of an aggregate of one or more mote-addressed content indexes of a first set of motes further comprises:

transmitting part of the aggregate of one or more mote-addressed content indexes of the first set of motes in response to a schedule.

7. (Currently Amended) The method of claim 6, wherein ~~said effecting~~ the transmitting in response to a schedule further comprises:

receiving the schedule.

8. (Currently Amended) The method of claim 6, wherein ~~said effecting~~ the transmitting in response to a schedule further comprises:

deriving the schedule.

9. (Currently Amended) The method of claim 6, wherein ~~said effecting~~ the transmitting in response to a schedule further comprises:

deriving the schedule at least in part from at least one of ~~an~~ multiple optimized ~~query~~ queries or ~~a~~ multiple stored ~~query~~ queries.

10. (Currently Amended) The method of claim 1, wherein said transmitting at least a part of an aggregate of one or more mote-addressed content indexes of a first set of motes further comprises:

transmitting part of the aggregate of one or more mote-addressed content indexes of the first set of motes in response to ~~a query~~ multiple queries.

11. (Previously Presented) The method of claim 1, further comprising:
encrypting part of the aggregate of one or more mote-addressed content indexes of the first set of motes utilizing at least one of a private or a public key.

12. (Original) The method of claim 1, wherein said transmitting at least a part of an aggregate of one or more mote-addressed content indexes of a first set of motes further comprises: decoding at least a part of one or more mote-addressed content indexes utilizing at least one of a public key or a private key.

13. (Currently Amended) A system comprising:
a ~~transmitter~~ entity controlled by a second mote to transmit at least a part of an aggregate of one or more mote-addressed content indexes of a first set of motes, wherein the first set of motes excludes the second mote.

14. (Currently Amended) The system of claim 13, wherein said ~~transmitter~~ entity further comprises:
means for transmitting at least a part of at least one of a mote-addressed sensing index or a mote-addressed control index.

15. (Currently Amended) The system of claim 13, wherein said ~~transmitter~~ entity further comprises: means for transmitting at least a part of a mote-addressed routing/spatial index.

16. (Currently Amended) The system of claim 13, wherein said entity ~~transmitter~~ further comprises:
a reporting entity effecting the transmitting.

17. (Currently Amended) The system of claim 13, wherein said entity ~~transmitter~~ further comprises:
a reporting entity obtaining access to the one or more mote-addressed content indexes of the first set of motes.

18. (Currently Amended) The system of claim 13, wherein said entity transmitter further comprises:

means for effecting the transmitting in response to a schedule.

19. (Original) The system of claim 18, wherein said means for effecting the transmitting in response to a schedule further comprises:

means for receiving the schedule.

20. (Original) The system of claim 18, wherein said means for effecting the transmitting in response to a schedule further comprises:

means for deriving the schedule.

21. (Currently Amended) The system of claim 18, wherein said means for effecting the transmitting in response to a schedule further comprises:

means for deriving the schedule at least in part from at least one of ~~an~~ multiple optimized ~~query queries~~ or a multiple stored ~~query queries~~.

22. (Currently Amended) The system of claim 13, wherein said entity transmitter further comprises: a reporting entity effecting the transmitting in response to a ~~query~~ multiple queries.

23. (Currently Amended) The system of claim 13, wherein said entity transmitter further comprises:

means for encrypting utilizing at least one of a private or a public key.

24. (Currently Amended) The system of claim 13, wherein said entity transmitter further comprises:

means for decoding at least a part of one or more mote-addressed content indexes utilizing at least one of a public key or a private key.

25. (Currently Amended) A system comprising:

a second mote; and

means for transmitting at least a part of an aggregate of one or more mote-addressed content indexes of a first set of motes, the transmitted aggregate of one or more mote-addressed content indexes of the first set of motes excluding mote-addressed content indexes of the first set of motes excluding the second mote, and said means for transmitting being disposed proximate to said second mote.

26. (Previously Presented) A system comprising:

at least one mote; and

at least one multi-mote reporting entity resident in said at least one mote, said at least one multi-mote reporting entity configured to report at least a part of a multi-mote content index stored in motes other than the at least one mote.

27. (Original) The system of claim 26, wherein said multi-mote content index further comprises:

at least one of a sensing function, a control function, or routing/spatial information of a mote-appropriate device.

28. (Previously Presented) The system of claim 26, wherein said at least one multi-mote reporting entity is configured to transmit at least one of a sensing function, a control function, or routing/spatial information.

29. (Original) The system of claim 26, wherein said at least one mote comprises:

at least one of a processor, a memory, or a communications device formed from a substrate.

30. (New) The method of claim 1, wherein the transmitted aggregate of one or more mote-addressed content indexes of the first set of motes excludes mote-addressed content indexes of the second mote.

31. (New)The method of claim 2, wherein the mote-addressed sensing index or the mote-addressed control index indicates the availability of information at a sensing device, a format of information obtained from the sensing device, a format of commands to query the sensing device, or an output format of information from the queried device.

32. (New)The method of claim 1, wherein the mote-addressed content index of the first set of motes indicates the availability of a light device entity, an electrical device entity, a pressure device entity, a temperature device entity, a volume device entity, an inertial device entity, or an antenna entity.

33. (New)The system of claim 13, wherein the transmitted aggregate of one or more mote-addressed content indexes of the first set of motes excludes mote-addressed content indexes of the second mote.

34. (New)The system of claim 13, wherein the mote-addressed content index of the first set of motes indicates the availability of information a sensing device, a format of information obtained from the device, a format of commands to query the sensing device, or an output format of information from the queried device.

35. (New)The system of claim 13, wherein the mote-addressed content index of the first set of motes indicates the availability of a light device entity, an electrical device entity, a pressure device entity, a temperature device entity, a volume device entity, an inertial device entity, or an antenna entity.

36. (New)The system of claim 26, wherein the at least one multi-mote reporting entity configured to report at least a part of a multi-mote content index stored in motes without reporting a content index stored in the at least one mote.

37. (New)The system of claim 26, wherein the mote-addressed content index of the first set of motes indicates the availability of information at a sensing device, a format of information

obtained from the device, a format of commands to query the device, or an output format of information from the queried device.

38. (New) The system of claim 26, wherein the mote-addressed content index of the first set of motes indicates the availability of a light device entity, an electrical device entity, a pressure device entity, a temperature device entity, a volume device entity, an inertial device entity, or an antenna entity.

39. (New) The method of Claim 2, wherein transmitting at least a part of at least one of a mote-addressed sensing index or a mote-addressed control index further comprises:

transmitting a query command format of a sensing device and transmitting an output format of information of the sensing device.

40. (New) The method of Claim 2, wherein transmitting at least a part of at least one of a mote-addressed sensing index or a mote-addressed control index further comprises:

transmitting a query command format of a sensing device coupled with at least one of the first set of motes or transmitting an output format of information of the sensing device.

41. (New) The method of Claim 2, wherein transmitting at least a part of at least one of a mote-addressed sensing index or a mote-addressed control index further comprises:

transmitting a control command format of a sensing device and transmitting a feedback format of information of the sensing device.

42. (New) The method of Claim 2, wherein transmitting at least a part of at least one of a mote-addressed sensing index or a mote-addressed control index further comprises:

transmitting a control command format of a sensing device coupled with at least one of the first set of motes or transmitting a feedback format of information of the sensing device.